

U.S. DEPARTMENT OF LABOR
Occupational Safety and Health Administration

Form Approved
OMB No. 44-R1387

MATERIAL SAFETY DATA SHEET

DPM 760-1
ZINC CHROMATE
DRUM #2
AUGUST 1984

Required under USDL Safety and Health Regulations for Ship Repairing,
Shipbuilding, and Shipbreaking (29 CFR 1915, 1916, 1917)

SECTION I

MANUFACTURER'S NAME Koppers Company, Inc.		EMERGENCY TELEPHONE NO. 412-227-2000-
ADDRESS (Number, Street, City, State, and ZIP Code) Pittsburgh, PA 15219		
CHEMICAL NAME AND SYNONYMS Alkyd/Phenolic	TRADE NAME AND SYNONYMS TT-P-1757 Zinc Chromate Primer	
CHEMICAL FAMILY	FORMULA P-759-66 #34151 Green or Yellow	

SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS Zinc Chromate (CA)		0.1Mg/M³	BASE METAL		
CATALYST			ALLOYS		
VEHICLE Alkyd/Phenolic		N/A	METALLIC COATINGS		
SOLVENTS *See below			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					

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HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES	%	TLV (Units)
*Toluene	5.0	100PPM
Isobutyl Acetate	4.0	150PPM
VM & P Naphtha	20.0	300PPM
Isobutanol	7.0	50PPM
Heptane	4.0	400PPM

SECTION III - PHYSICAL DATA

BOILING POINT (°F.)		SPECIFIC GRAVITY (H ₂ O=1)	10.2 lbs
VAPOR PRESSURE (mm Hg.)		PERCENT. VOLATILE BY VOLUME (%)	60
VAPOR DENSITY (AIR=1)	Heavier	EVAPORATION RATE (N-Bu-Ac = 1)	Fast
SOLUBILITY IN WATER	Negligible		
APPEARANCE AND ODOR	Viscous green or yellow liquid with typical solvent odor.		

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	25F TCC	FLAMMABLE LIMITS	Lel	Uel
EXTINGUISHING MEDIA	Foam, dry chemical, water spray, fog or CO₂.			
SPECIAL FIRE FIGHTING PROCEDURES	Use air supplied equipment for enclosed areas. Cool exposed containers with water.			
UNUSUAL FIRE AND EXPLOSION HAZARDS	Keep away from heat, sparks and flame.			

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE 50PPM from solvent vapors and 0.1mg/M³ from Zinc Chromate in the air.

EFFECTS OF OVEREXPOSURE Systemic toxic effects may also result from skin absorption. Irritation to eyes, nose and throat near or above 50 ppm from vapors. Higher concentrations cause drowsiness, dizziness, followed by coma. Dangerously high concentrations could cause death from explosion or from breathing.

EMERGENCY AND FIRST AID PROCEDURES
If inhaled remove to fresh air. If not breathing give artificial respiration. preferably mouth to mouth. Call a physician. In case of skin contact, wash thoroughly with soap and water; for eyes, flush immediately with plenty of water for 15 minutes and call a physician. Wash contaminated clothing before reuse. If swallowed, CALL A PHYSICIAN IMMEDIATELY. DO NOT induce vomiting.

SECTION VI - REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	
INCOMPATIBILITY (Materials to avoid)			
HAZARDOUS DECOMPOSITION PRODUCTS TOXIC FUMES			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	

SECTION VII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Remove all sources of ignition (flames, electrical, static or frictional sparks, hot surfaces, etc.). Avoid breathing of vapors. Ventilate area. Contain and scoop up spills with non-sparking tools, rags, etc. Use inert absorbent materials on small spills or on residuals of large spills.

WASTE DISPOSAL METHOD

Dispose of in accordance with local applicable regulations.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type) Organic vapor canister where oxygen content is adequate and vapor concentration is less than 2% or use air supplied face masks.

VENTILATION	LOCAL EXHAUST	X	SPECIAL
	MECHANICAL (General)	X	OTHER
PROTECTIVE GLOVES Neoprene Rubber Gloves		EYE PROTECTION Goggles	
OTHER PROTECTIVE EQUIPMENT			

SECTION IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
Keep containers closed and upright to prevent leakage. Avoid flames, welding, smoking, sparks, open lights, etc. Avoid breathing of vapor or spray mist. Avoid eye and skin contact.

OTHER PRECAUTIONS
Maintain good personal hygiene. Do not use in confined areas, tank or pit without adequate ventilation.